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3 May 1965

MEMORANDUM FOR: Deputy Director for Science & Technology

SUBJECT: New Ideas for Intelligence Collection

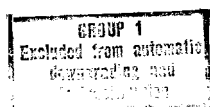
1. In the environment of explosive growth of technology, it is mandatory that intelligence collection, as a broad function, be expanded. Just as a man covertly counting airplanes has been supplanted by satellite photography, and as photography has been complimented by SIGINT which has in itself probed deeper into the inferential rather than the direct collection, so must tomorrow's collection means become more sophisticated. As a further example, without denigrating the value of the acquisition of technical manuals, it is important to our understanding of operating SAM systems to acquire and to analyze their electronic emanations. The trend appears to be towards an increased emphasis on analysis of observations rather than on simple direct observation alone. This trend can be aided by a systems analysis approach.

2. Through my past work, I am knowledgeable of some of the Systems Analysis groups existing in the DOD. These groups have competent, imaginative people who tend to be non-parochial, objective, and of wide interest and background. In general, because they are composed of civilians, rather than military, their clearance status with respect to ongoing intelligence programs has been considerably less than the respective service intelligence components. This lack of deep involvement, in a way, places them in a position where new ideas might not be inhibited.

3. I propose talking to three or four of the senior people involved in the service systems analysis studies and suggesting to

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them the value of studying new ideas and systems for collection of information of National interest. I feel that the background these groups have in system capabilities might be exploited profitably. I would suggest to them consideration of many kinds of intelligence beyond solely military, such as technical, economic, political, conceptual, etc. I believe that studies such as these could be handled well within the organizational charters as self-generated studies, to be reported through their normal channels but also, hopefully, I could maintain an unofficial liason, both to integrate the pieces and to help insure that good ideas get appropriate consideration. I would anticipate that no funds nor further security clearances would be involved. I think I might get their interest on the sole basis of the almost obvious National importance which their work might have.

4. The specific contacts I suggest are:

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Mr. Paul Hower - Chief of Air Force Operations Analysis

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The latter three men are with non-profit, more-or-less captive contract organizations; that is, they receive about [redacted] of their work from a service. These organizations have some [redacted] of their contract money available to work on internally generated studies. With proper motivation, perhaps some of this money could be channeled into work on our problems. Before initiating conversations, I would appreciate your view.

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Chief, Systems Analysis Staff

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